



City of San Diego
Public Utilities Department

Impact Totals by Project 2012

Buchanan MH 13 Raising

Maintenance

Code	Habitat Type	Position	Tier	In MHPA?	Acre (sum)
DCSS	Diegan Coastal Sage Scrub	upland	2	no	0.003
SMC	Southern Mixed Chaparral	upland	3a	no	0.016
EUCW	Eucalyptus Woodland	upland	4	no	0.006

Cardinal Drive Sewer Emergency

Emergency Repair

Code	Habitat Type	Position	Tier	In MHPA?	Acre (sum)
DCSS	Diegan Coastal Sage Scrub	upland	2	yes	0.0016

Lakeside Water Repair Emergency

Emergency Repair

Code	Habitat Type	Position	Tier	In MHPA?	Acre (sum)
DHAB				no	0.08
DCSS	Diegan Coastal Sage Scrub	upland	2	no	0.12

Manzanita Drive Water Emergency

Emergency Repair

Code	Habitat Type	Position	Tier	In MHPA?	Acre (sum)
DHAB				no	0.04
SMC	Southern Mixed Chaparral	upland	3a	no	0.03
NNG	Non-Native Grassland	upland	3b	no	0.01

Stevenson Canyon MH 257 Emergency

Emergency Repair

Code	Habitat Type	Position	Tier	In MHPA?	Acre (sum)
DHAB				yes	0.08
DCSS	Diegan Coastal Sage Scrub	upland	2	yes	0.0048



City of San Diego
Public Utilities Department

Impact Totals by Tier 2012

Tier W (wetland)

Acre

MHPA

Tier 4 (upland)

Acre

MHPA

0.0060

no

Tier 3b (upland)

Acre

MHPA

0.0100

no

Tier 3a (upland)

Acre

MHPA

0.0460

no

Tier 2 (upland)

Acre

MHPA

0.1230

no

0.0064

yes

Tier 1 (upland)

Acre

MHPA

Tier (upland)

Acre

MHPA



City of San Diego
Public Utilities Department
Impact Totals 2012

Code	Habitat Type	Position	Tier	In MHPA?	Acre (sum)
DHAB				yes	0.08
DHAB				no	0.12
DCSS	Diegan Coastal Sage Scrub	upland	2	yes	0.0064
DCSS	Diegan Coastal Sage Scrub	upland	2	no	0.123
SMC	Southern Mixed Chaparral	upland	3a	no	0.046
NNG	Non-Native Grassland	upland	3b	no	0.01
EUCW	Eucalyptus Woodland	upland	4	no	0.006



Mitigation Site Usage Report

Tuesday, February 05, 2013

3:43:10 PM

Mitigation Site Name	Mitigation Type	Site Size (Acres)	Acres Used	Balance (Acres)
Camino del Rio North - San Diego River Creation	Wetland Creation	3.43	2.0773	1.3527
Canyon View (Penasquitos Upland)	Upland Restoration	7.67	1.445	6.225
Central Tecolote Enhancement/Mitigation	Upland Restoration	3.17	1.174	1.996
Central Tecolote Enhancement/Mitigation	Wetland Enhancement	3.47	2.6356	0.8344
El Cuervo Norte	Wetland Creation	0.72	0.637	0.083
El Cuervo Norte	Wetland Enhancement	0.68	0.669	0.011
El Rancho (Penasquitos Enhancement)	Wetland Enhancement	5.53	3.7548	1.7752
Lake Murray	Wetland Enhancement	2.5	1.521	0.979
Lake Murray	Upland Restoration	5.2	5.0336	0.1664
Los Penasquitos North	Upland Restoration	1.03	1.03	0
Los Penasquitos North	Wetland Creation	3.8	3.597	0.203
Marron Valley Cornerstone Lands Conservation Ba	Upland Bank	7.545	6.58	0.965
Otay Mesa Mitigation Bank	Upland Bank	13.24	1.745	11.495
Penasquitos Eucalyptus Removal	Wetland Enhancement	0.31	0.31	0
Rancho Mission Enhancement	Wetland Enhancement	7.59	2.1121	5.4779
Rose Canyon Wetland and Upland	Wetland Enhancement	0.35	0.35	0
Rose Canyon Wetland and Upland	Upland Restoration	5.14	3.148	1.992
Rose Canyon Wetland and Upland	Wetland Creation	5.31	3.4018	1.9082
San Clemente Wetland and Upland	Upland Restoration	3.31	1.648	1.662
San Clemente Wetland and Upland	Wetland Creation	2.18	2.054	0.126
Tecolote - Tree of Heaven removal	Wetland Enhancement	0.25	0.25	0
Tecolote Canyon Wetland and Upland	Wetland Creation	1.56	1.464	0.096
Tecolote Canyon Wetland and Upland	Upland Restoration	3.94	2.9258	1.0142
TOTALS		87.925	49.563	38.362

Summary of Marron Valley Cornerstone Mitigation Bank Debits: 1997-2012
Land Manager: City of San Diego Public Utilities Department
As of 12/31/2012

Purchaser -- Project Name(s)		Transaction Date	Credits	
			Amount Debited	Balance
	Bank Established & Starting Balance	7/16/1997	---	1,000
1	Southeast Economic Development Corporation -- Imperial Market Place	3/21/2000	15.87	984.13
2	Water Department -- Miramar Water Distribution Systems Improvements	4/30/2001	0.12	984.01
3	Water Department -- Miramar Water Distribution	6/25/2001	0.45	983.56
4	Water Department -- Otay Water Treatment Plant	12/5/2001	5.63	977.93
5	Water Department -- Rancho Bernardo Pipeline No. 2 & Black Mountain Ranch Reclaimed Waterline	3/26/2002	0.13	977.80
6	Water Department -- Miramar Water Treatment Plant Upgrade	10/21/2002	2.78	975.02
7	Water Department -- North City Water Reclamation Plant	2/13/2003	0.54	974.48
8	Santaluz -- Segment 4A and Pressure Reducing Station	7/18/2003	1.0	973.48
9	Engineering & Capital Projects -- Serra Mesa and Kearny Mesa Libraries	9/30/2003	0.06	973.42
10	Metropolitan Wastewater Department (MWWD) -- Various future projects ¹	3/15/2004	1.56 ¹	971.86
11	MWWD -- Seven projects: 45 th and Boston, Buchanan, Hwy 163, Shepherd Canyon, Shepherd Canyon Long Term Access, Stevenson, Stevenson Long Term	5/30/2006	(1.211) ¹	971.86
12	MWWD -- Two projects: 54 th & Maisel and Trinidad & Euclid	8/22/2006	(0.17) ¹	971.86
13	TRC / Kinder Morgan Energy Partners -- Marine Corps Air Station Miramar Energy Fuel Tank	8/13/2007	3.0	968.86
14	All Right Storage -- Otay Mesa Storage Facility	12/06/2007	1.0	967.86
15	MWWD -- Dakota Canyon Sewer ²	1/30/2008	(0.18) ¹ 0.39 ²	967.47

16	MWWD -- Four projects: I-805, Norfolk Canyon, Rancho Bernardo Canyon, and 60 th Street Emergency Repairs	3/25/2008	1.595	965.875
17	MWWD -- Highway 163 North Canyon	5/29/2008	4.0 ³ (0.19) ³	961.875
18	Public Utilities Department, Wastewater (formerly MWWD) -- Lexington/Manzanita Long Term Access	11/26/2008	(1.31) ³	961.875
19	Sun Edison: Photovoltaic System -- Otay Water Treatment Facility	10/20/2009	2.25	959.625
20	Insurance Auto Auction -- Britannia 40 Otay	11/16/2009	19.6	940.025
21	Public Utilities Department, Wastewater -- Lexington/Manzanita Long Term Access correction	10/12/2010	(0.101) ³	940.025
22	San Ysidro School District -- Vista Del Mar Elementary School Project	3/1/2011	2.1	937.925
23	Park and Recreation Department -- Old El Camino Real to Gonzalez Canyon Trail Connection	9/09/2011	0.29	937.635
24	Public Utilities Department, Water (formerly Water Department) -- Los Penasquitos Recycled Water Pipeline	9/30/2011	0.74	936.895
25	Public Utilities Department, Wastewater -- Four Projects: Alvarado, Mission Center, Pump Station 77, Stevenson Canyon	2/28/2012	(1.024)³	936.895
26	Public Works Department -- Juniper Street Sidewalk	6/12/2012	0.22	936.675
27	Public Utilities Department, Wastewater -- Balboa Trunk Sewer Replacement	08/17/2012	(0.354)³	936.675
28	Public Utilities Department, Water -- Lakeside Water Repair	11/29/2012	0.12	936.555
29	Public Utilities Department, Wastewater -- Otay Valley Trunk Sewer	11/29/2012	(0.055)³	936.555

TOTAL TO DATE		63.445	936.555
---------------	--	--------	---------

Marron Valley Cornerstone Mitigation Bank Fund Balance 12/31/2012 Total includes Endowment and Land Value monies	\$1,121,283.13
--	-----------------------

¹ MWWD purchased 1.56 credits to be apply towards future transactions. ² MWWD purchased 0.39 credits, combined with a remaining 0.18 credits, to satisfy mitigation that required 0.57 credits. ³ MWWD purchased 4.0 credits to be apply towards future transactions, with 0.965 credits available as of 12/31/2012.

Impact totals by project 2012

Balboa Terrace Trunk Sewer

Code	Habitat Type	Position	Tier	Acreage in MHPA	Acreage out of MHPA	PTS/MND No.	Permit Type	Location	NTP date	Type of project	Mitigation Ratio	Mitigation Acreage	Mitigation Type	Mitigation location or cost
DCSS	Coastal Sage Scrub	Upland	II	0.354	0.000	235917	SDP	Balboa Terrace	8/1/2012	(u) Sewer Main	1 to 1	0.708		Marron Valley Cornerstone
NVC	Open Channel	Wetland	N/A	0.014	0.000						2 to 1	0.028		El Rancho & San Clemented Canyon
DWET	Wetlands	Wetland	N/A	0.107	0.000						2 to 1	0.214		El Rancho & San Clemented Canyon
MFS	Mule Fat Scrub	Wetland	N/A	0.022	0.000						2 to 1	0.044		El Rancho & San Clemented Canyon
SCLORF	Oak Riparian Woodland	Wetland	N/A	0.030	0.000						3 to 1	0.090		El Rancho & San Clemented Canyon
FM	Freshwater Marsh	Wetland	N/A	0.040	0.000						2 to 1	0.080		El Rancho & San Clemented Canyon
SWS	Southern Willow Scrub	Wetland	N/A	0.064	0.000						2 to 1	0.128		El Rancho & San Clemented Canyon
	Ornamental landscape	Upland	IV	0.346	0.000						0 to 1	0.000		N/A
	Disturbed Habitat	Upland	IV	0.256	0.000						0 to 1	0.000		N/A

Alvarado Trunk Sewer Phase III

Code	Habitat Type	Position	Tier	Acreage in MHPA	Acreage out of MHPA	PTS/MND No.	Permit Type	Location	NTP date	Type of project	Mitigation Ratio	Mitigation Acreage	Mitigation Type	Mitigation location or cost
	Riparian Woodland	?		0.022	0.000	209815	SDP	Alvarado T/S		Trunk Sewer	2 to 1	0.044		Rancho Mission & SD River Wetland Creation
	Diegan Coastal Sage Scrub	II		0.005	0.000						1 to 1	0.005		City of SD HAF
	Coastal Sage-chapparral Scrub	II		0.022	0.000						1 to 1	0.022		City of SD HAF
	Baccharis scrub	II		0.045	0.000						1 to 1	0.045		City of SD HAF
NNG	Non-native grassland	IIIB		0.230	0.000						0.5 to 1	0.115		City of SD HAF

46th St. Slope Restoration

Code	Habitat Type	Position	Tier	Acreage in MHPA	Acreage out of MHPA	PTS/MND No.	Permit Type	Location	NTP date	Type of project	Mitigation Ratio	Mitigation Acreage	Mitigation Type	Mitigation location or cost
	Scrub Oak Chaparral	I		0.000	0.030	124325	SDP	46th & Maple	3/19/2012	Restoration		0.140	HAF (0.14 ac)	
	Chaparral	I		0.000	0.010									
	Diegan CSS/Chaparral	IIIA		0.000	0.070									
	So. Mixed Chaparral	IIIA		0.000	0.010									
NNG	Non-Native Grassland	IIIB		0.000	0.050									

Via Esprillo Emergency Storm Drain Repair

Code	Habitat Type	Position	Tier	Acreage in MHPA	Acreage out of MHPA	PTS/MND No.	Permit Type	Location	NTP date	Type of project	Mitigation Ratio	Mitigation Acreage	Mitigation Type	Mitigation location or cost
	Coastal Sage Scrub	II		0.142	0.000	PTS#230855 (NOE)		16450 Via Esprillo		Emergency	1.5 to 1	0.210	Rest. & Revege	On-site
	Mixed Chaparral	IIIA		0.027	0.000						2 to 1	0.070		
	Mulefat Scrub	Wetland		0.010	0.000						2 to 1	0.020		

Totals

Transportation & Storm Water Department
2012 Storm Water Division Habitat Impacts and Mitigation

Habitat Type	Position	Tier	Acres Impacted in MHPA	Acres Impacted out of MHPA	Location/Project	Mitigation
Freshwater Marsh	Wetland	N/A	0.059	0.026	Sorrento Creek Channel Maintenance	El Cuervo Wetland Mitigation Site and Famosa Slough
Southern Willow Scrub	Wetland	N/A	0.669	0.039	Sorrento Creek Channel Maintenance	
Disturbed Wetland	Wetland	N/A	0.036	0	Sorrento Creek Channel Maintenance	
Developed lands	Upland	IV	0.01	0.016	Sorrento Creek Channel Maintenance	
Disturbed habitat/ruderal	Upland	IV	0	0.003	Sorrento Creek Channel Maintenance	
Open Water	Wetland	N/A	0.955	0.032	Sorrento Creek Channel Maintenance	Famosa Slough
concrete lined non-wetland waters of the US		N/A		2.5	Chateau Channel Maintenance	none required

Note: All impacts were due to maintenance of existing flood control channels.



Park and Recreation Department
2012 Open Space Division Impacts and Mitigation

Habitat Type	Position	Tier	Acres Impacted in MHPA	Acres Impacted out of MHPA	Location/Project	Mitigation
Maritime Succulent Scrub	Upland	I	0.035	0	Gonzalez Canyon Old El Camino Real Trail Connection	Cornerstone Lands Mitigation Bank (Purchased Fall 2011)
Diegan Coastal Sage Scrub	Upland	II	0.166	0	Gonzalez Canyon Old El Camino Real Trail Connection	
Diegan Coastal Sage Scrub/Chaparral	Upland	II	0.005	0	Gonzalez Canyon Old El Camino Real Trail Connection	
Disturbed/Ruderal/Developed	Upland	IV	0.007	0.053	Gonzalez Canyon Old El Camino Real Trail Connection	